Fig. 1

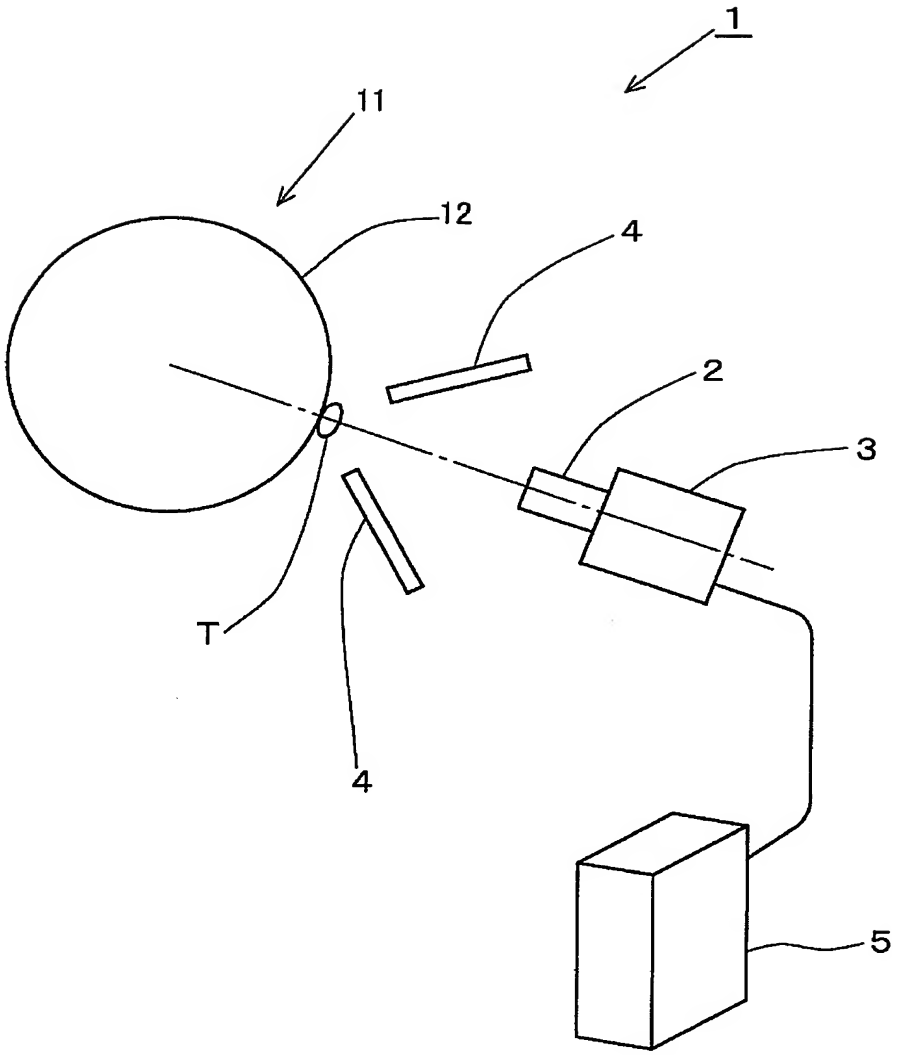

Fig. 2

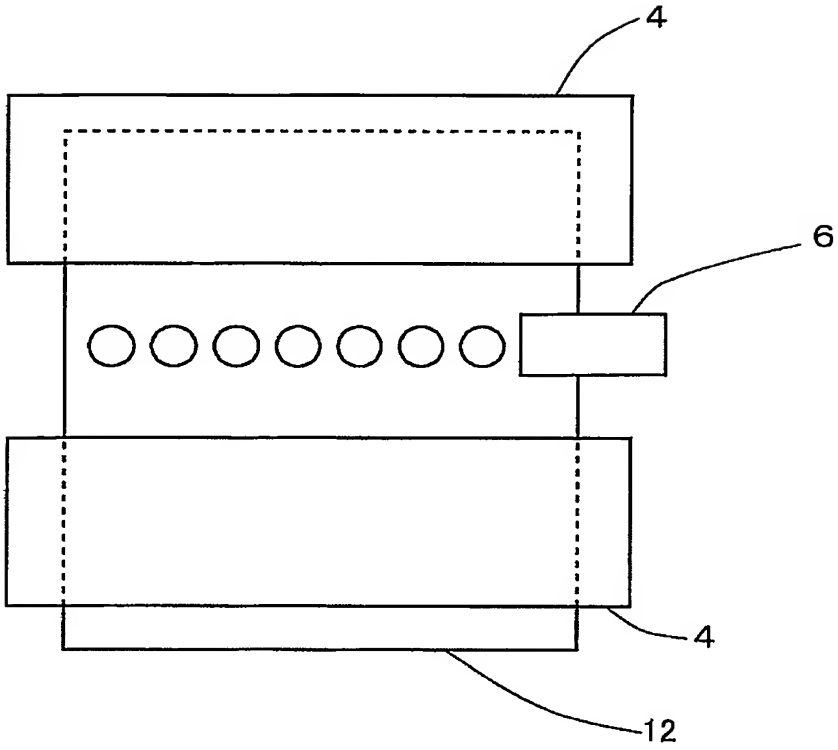

Fig. 3

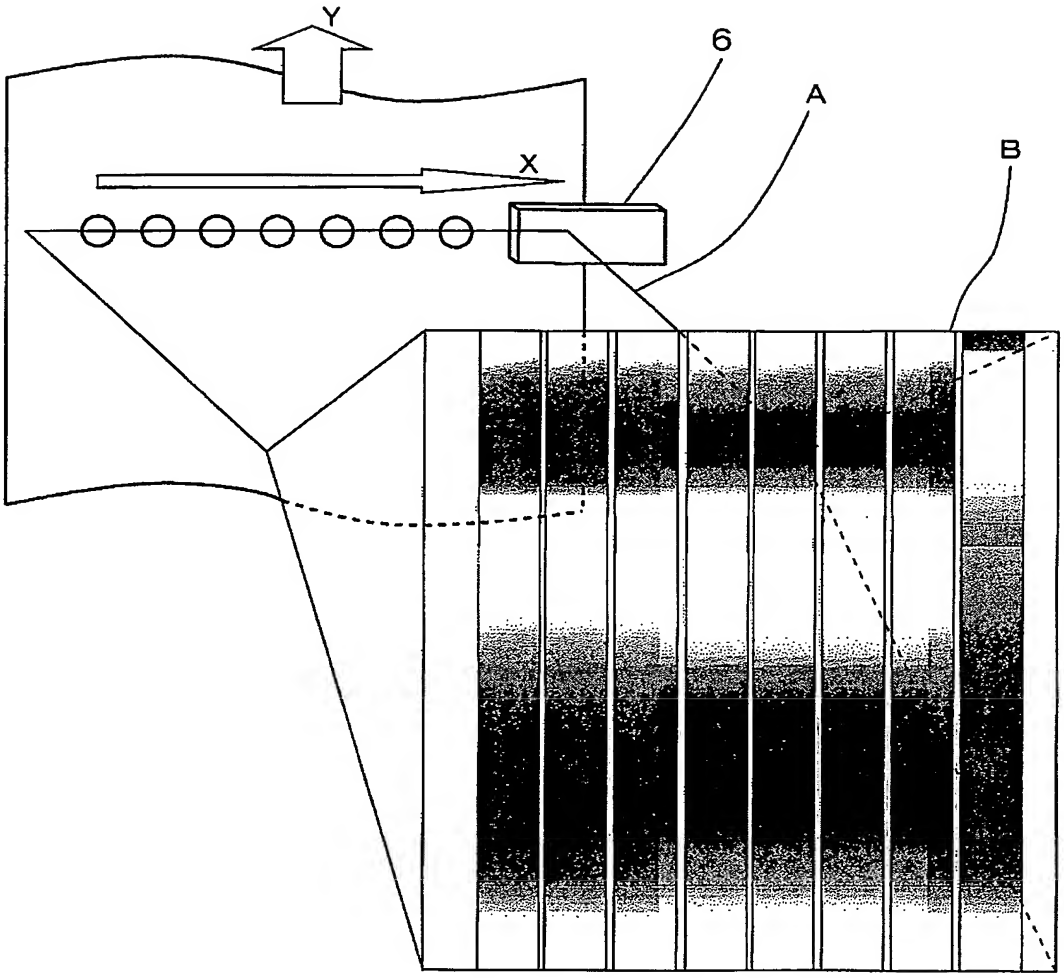

Fig. 4A

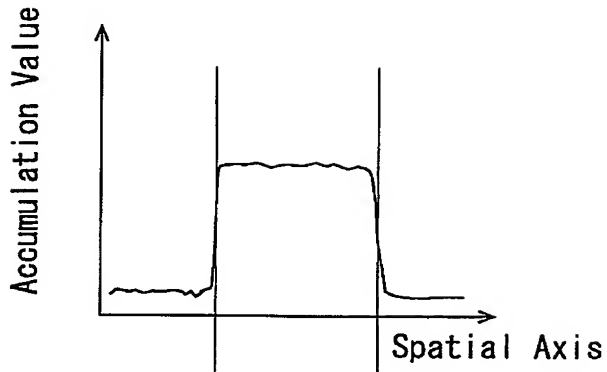

Fig. 4B

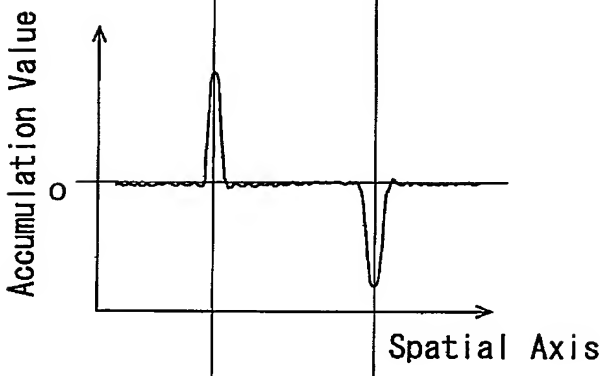

Fig. 4C

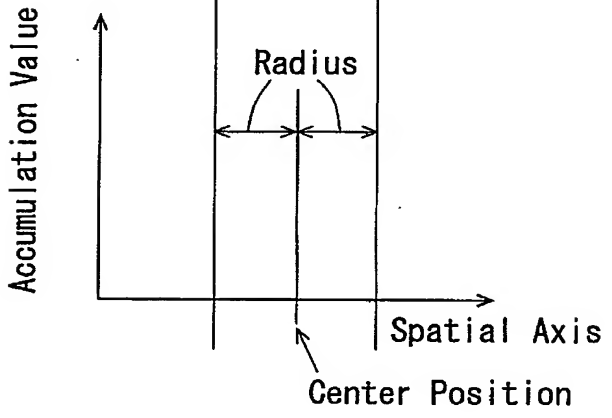

Fig. 5

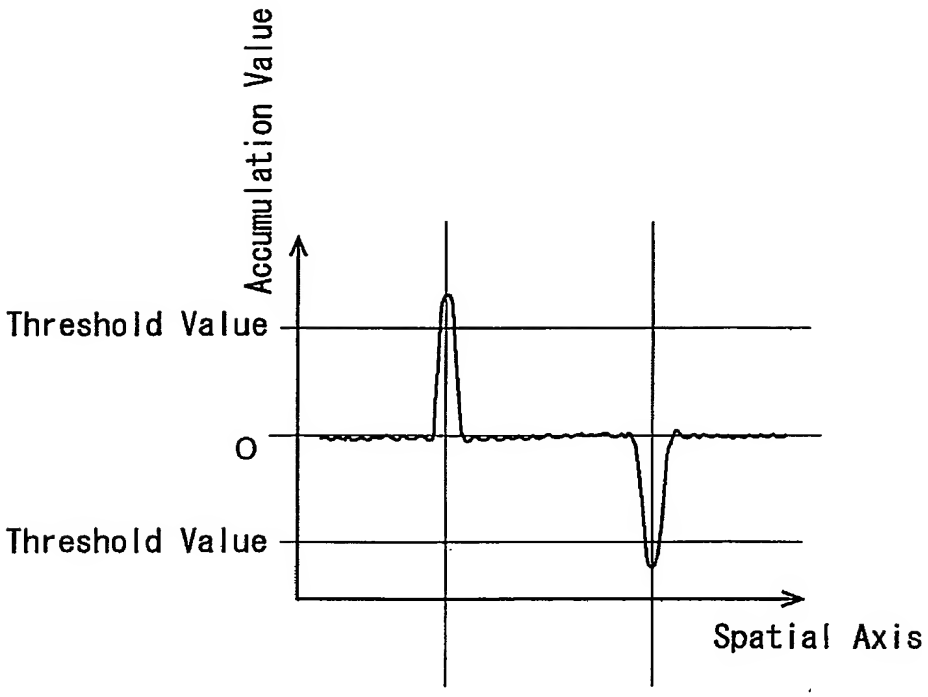
Accumulation Value
Threshold Value
O
Threshold Value
Spatial Axis

Fig. 6

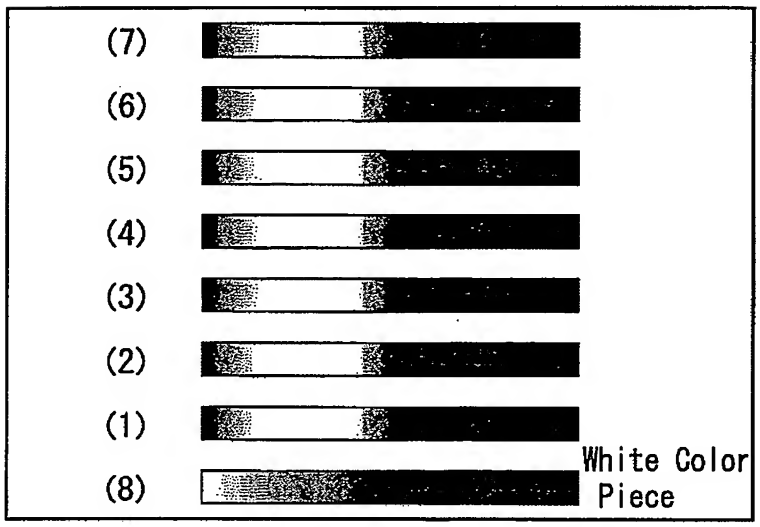
(7)
(6)
(5)
(4)
(3)
(2)
(1)
(8)
White Color Piece

Fig. 7

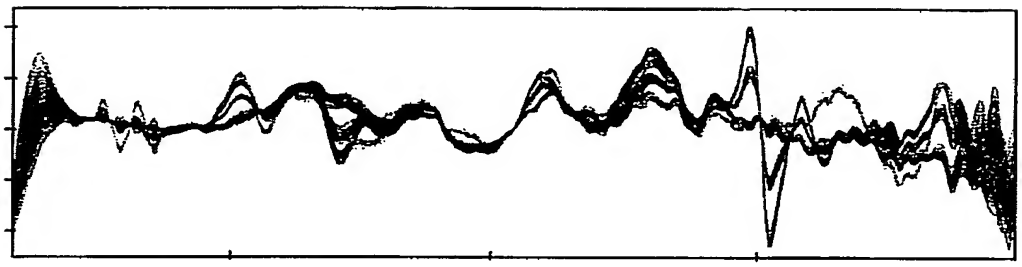

Fig. 8

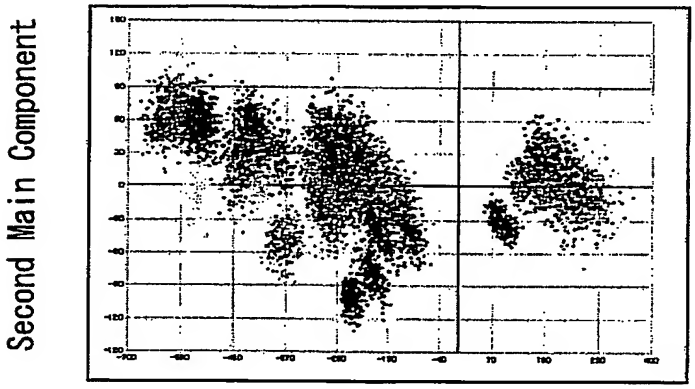

Fig. 9

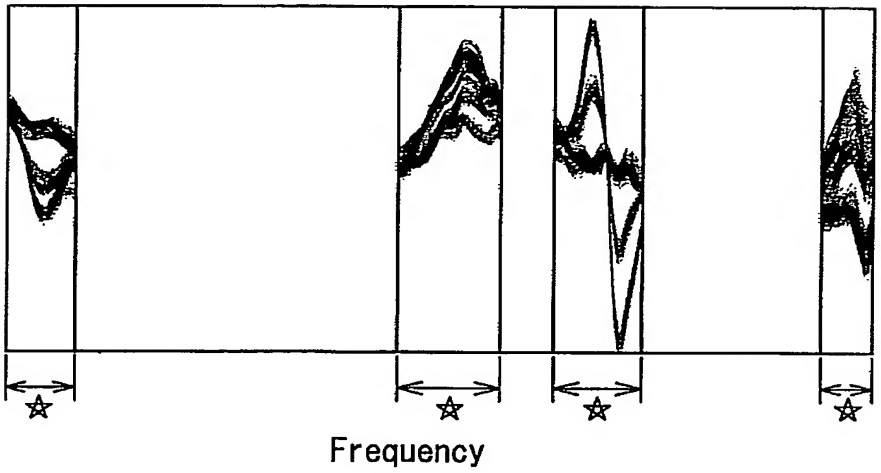
Frequency

Fig. 10

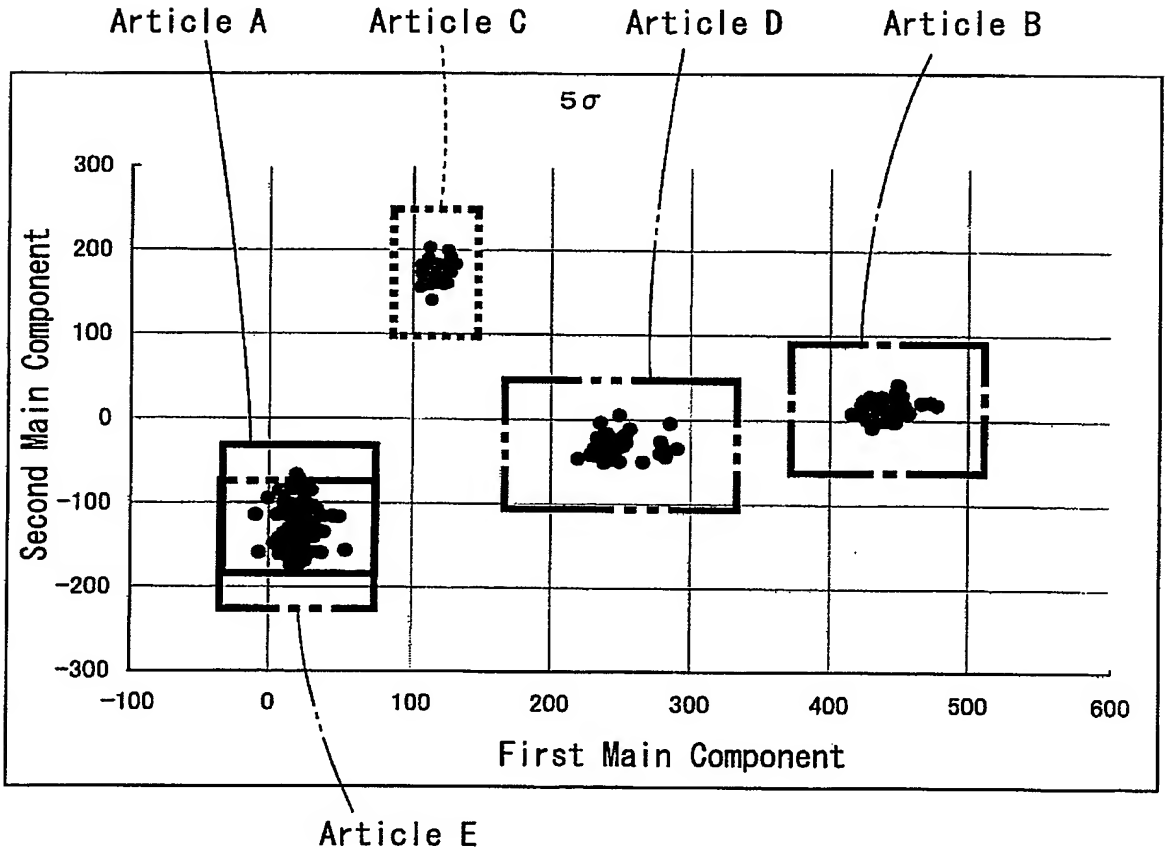
Article A
Article C
Article D
Article B
5σ
300
200
100
0
-100
-200
-300
Second Main Component
-100
0
100
200
300
400
500
600
First Main Component
Article E

Fig. 11A

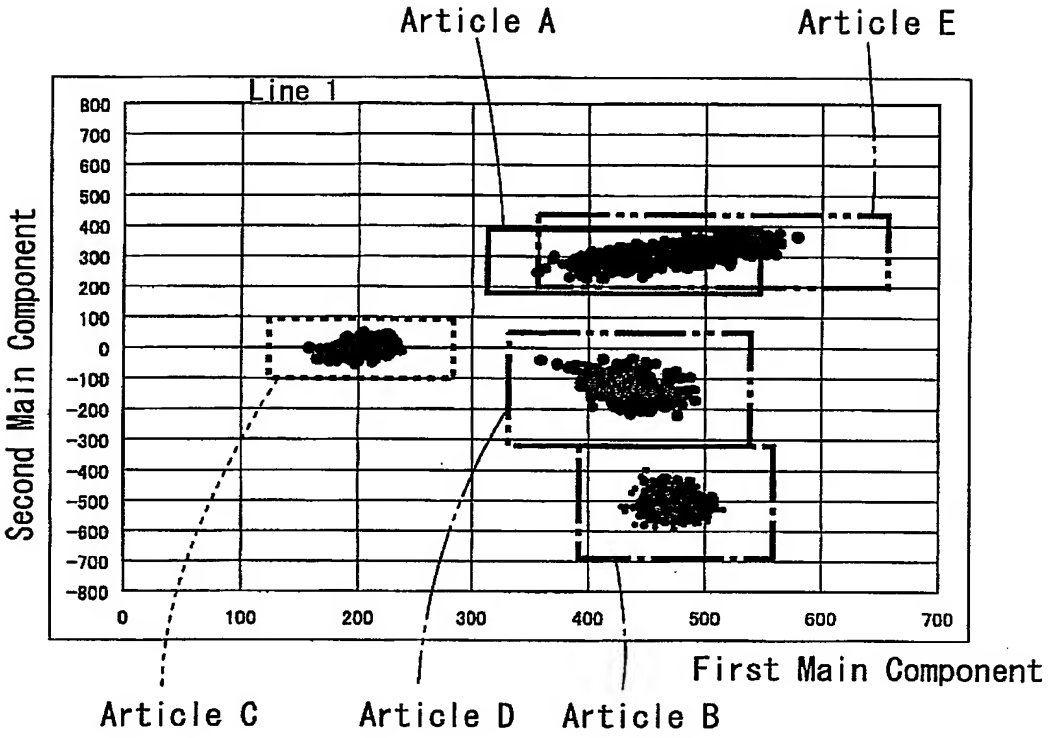
Article A
Article E
Line 1
800
700
600
500
400
300
200
100
0
-100
-200
-300
-400
-500
-600
-700
-800
Second Main Component
0
100
200
300
400
500
600
700
First Main Component
Article C
Article D
Article B

Fig. 11B

Line 1	Article A		Article B		Article C		Article D		Article E	
	First Main Component	Second Main Component	First Main Component	Second Main Component	First Main Component	Second Main Component	First Main Component	Second Main Component	First Main Component	Second Main Component
Average (m)	430.2	285.1	474.9	-505.5	203.2	-7.1	438.3	-134.7	506.6	326.2
Standard Deviation (σ)	23.3	20.7	16.2	36.7	16.1	19.2	20.3	37.0	29.9	24.1
5σ	116.7	103.7	81.2	183.5	80.7	96.2	101.3	184.9	149.4	120.7
m+5σ	547.0	388.8	556.1	-322.0	283.9	89.1	539.6	50.3	656.0	446.9
m−5σ	313.5	181.4	393.7	-689.0	122.5	-103.3	337.0	-319.6	357.1	205.5

Oblon, Spivak, et al.
703-413-3000
Docket # 289735US
Sheet 9 of 17

Fig. 12A

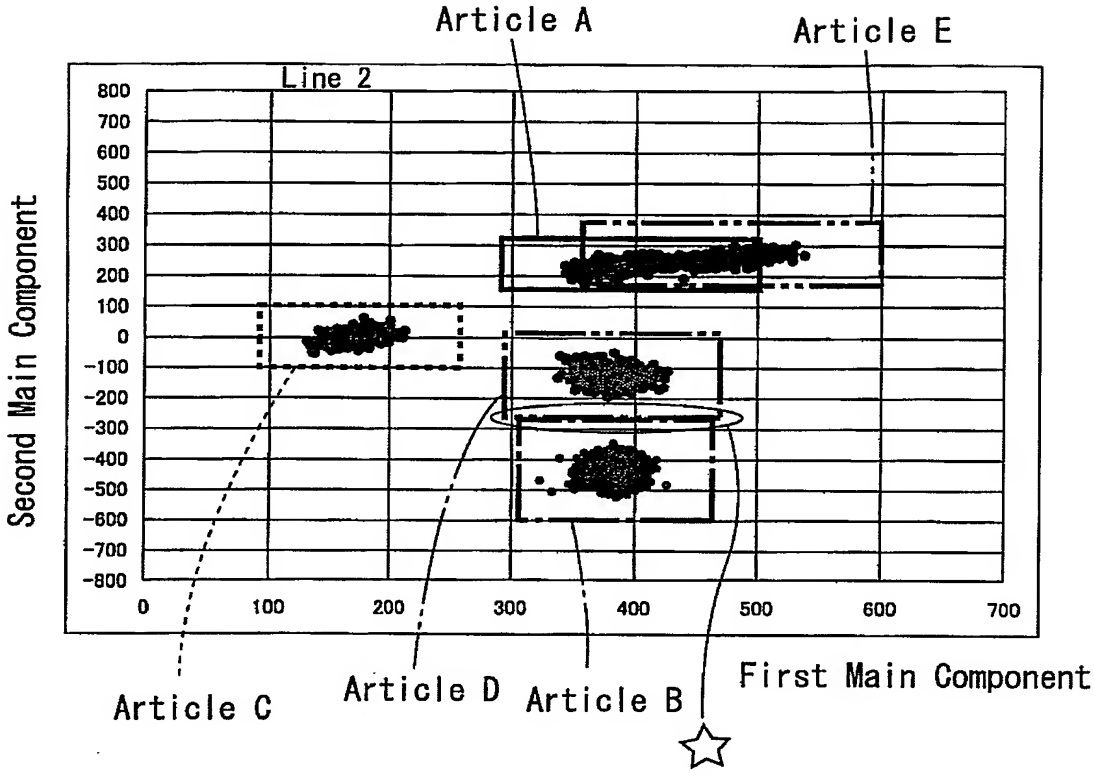
Article A
Article E
Line 2
Second Main Component
800
700
600
500
400
300
200
100
0
-100
-200
-300
-400
-500
-600
-700
-800
0
100
200
300
400
500
600
700
Article C
Article D
Article B
First Main Component

Fig. 12B

Line 2	Article A		Article B		Article C		Article D		Article E	
	First Main Component	Second Main Component	First Main Component	Second Main Component	First Main Component	Second Main Component	First Main Component	Second Main Component	First Main Component	Second Main Component
Average (m)	396.7	237.4	382.3	-431.1	174.4	-0.2	383.1	-127.9	478.5	260.7
Standard Deviation (σ)	21.0	16.5	15.5	33.0	16.4	17.9	16.9	28.1	24.0	17.5
5σ	105.1	82.6	77.4	165.2	81.9	89.4	84.7	140.3	119.9	87.3
m+5σ	501.8	320.0	459.8	**-265.8**	256.3	89.2	467.9	12.4	598.3	348.0
m−5σ	291.6	154.9	304.9	-596.3	92.6	-89.6	298.4	**-268.1**	358.6	173.4

Oblon, Spivak, et al.
703-413-3000
Docket # 289735US
Sheet 11 of 17

Fig. 13

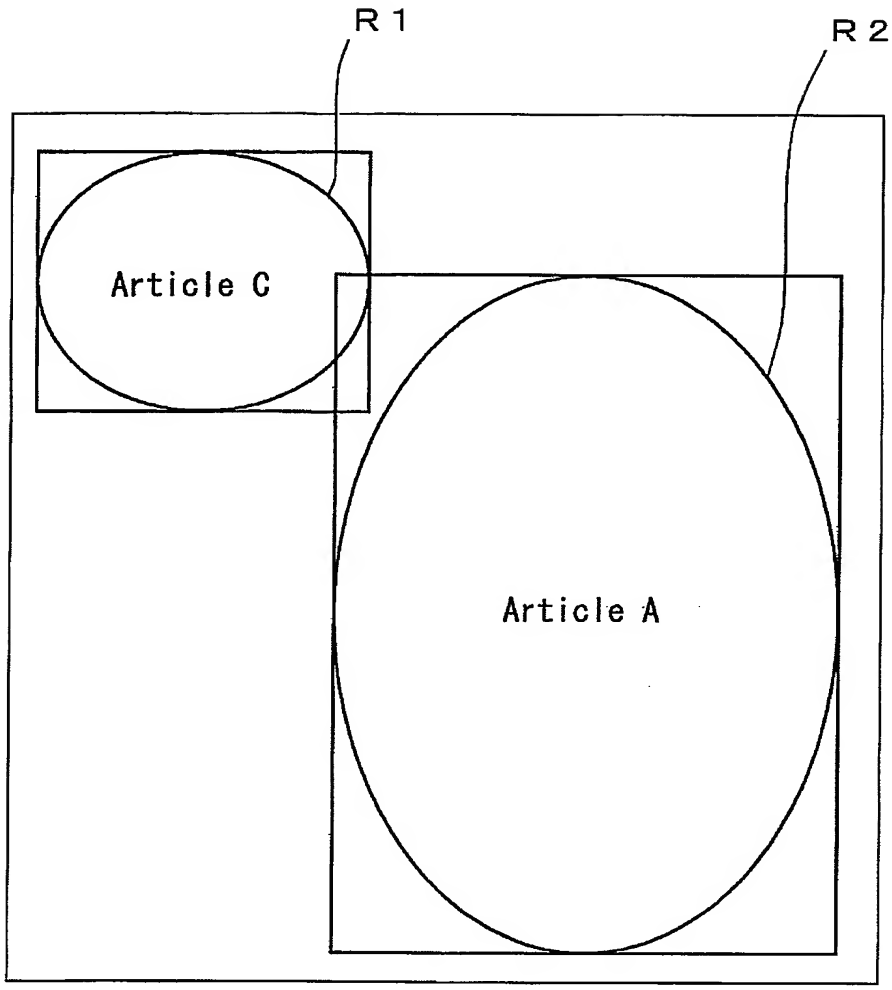

Fig. 14

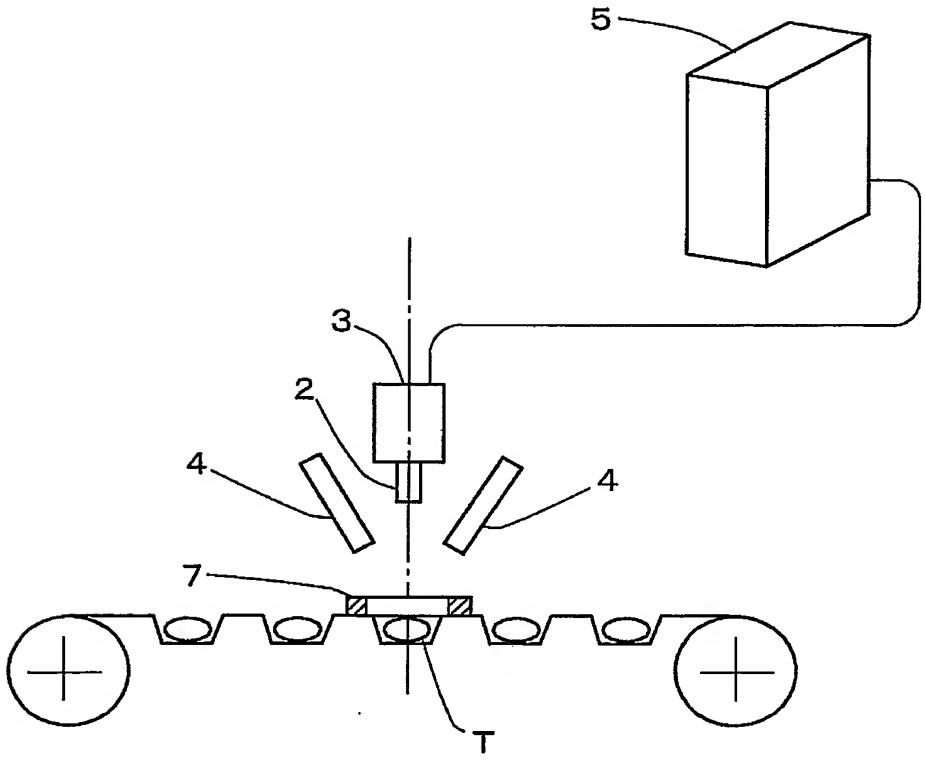

Fig. 15

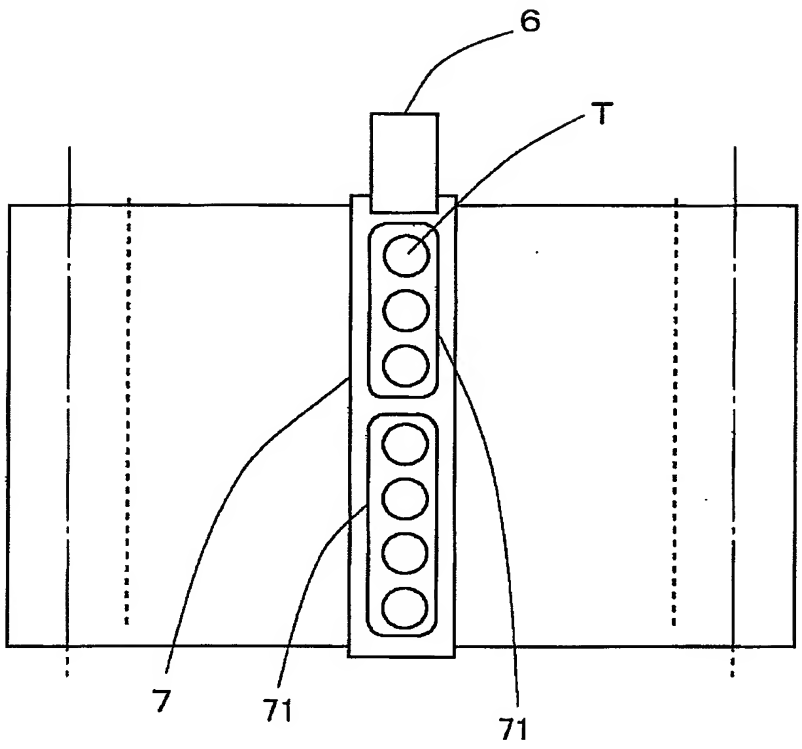

Fig. 16A

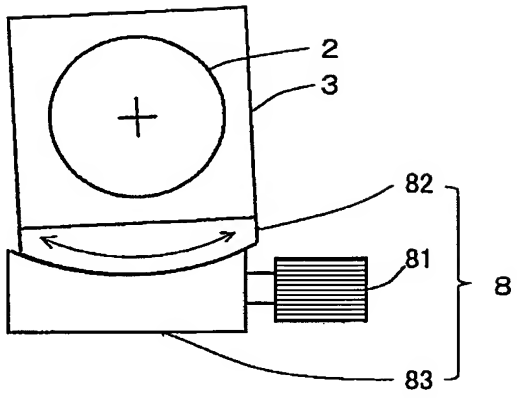

Fig. 16B

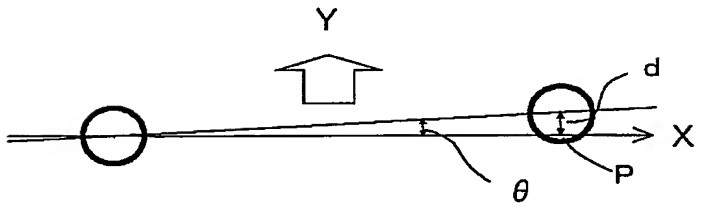

Fig. 17

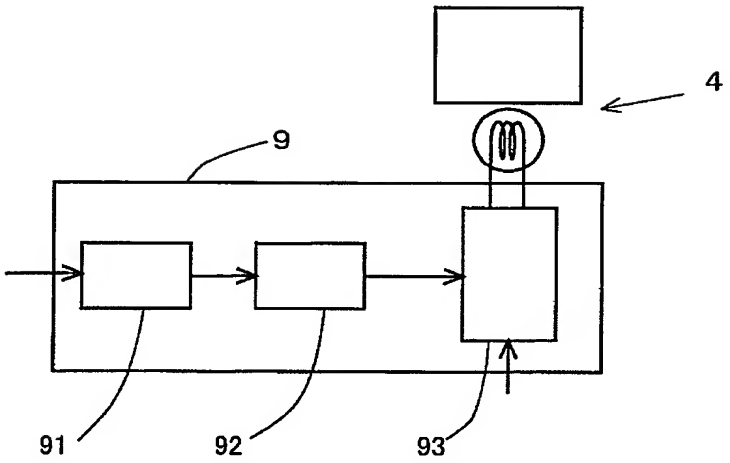

Fig. 18A

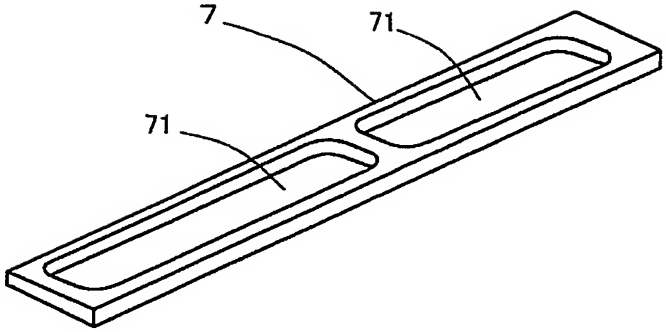
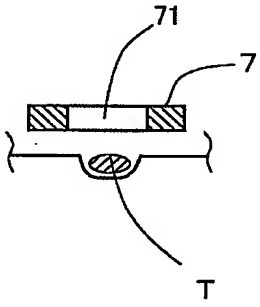
Fig. 18B